PTO/SB/08A (10-01)

Approved for use through 10/31/2006, OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Under the Paperwork Redu Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE 10/791,190 Application Number Filing Date March 2, 2004 STATEMENT BY APPLICANT First Named Inventor Frank L. Hall Group Art Unit 1725 (use as many sheets as necessary) **Examiner Name** S. Heinrich Attorney Docket Number 2269-4718.3US (00-0316.03/US)

			U.S. PATENT D	OCUMENTS	
Examiner Initials *	Cite No.1	Number - Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
Sult-		US-4,767,049	08/30/1988	Butt et al.	Figures Appear
1		US- 5,656,229	08/12/1997	Tanimoto et al.	
		US- 5,868,271	02/02/1999	Stueber et al.	
7		US- 5,883,437	03/16/1999	Maruyama et al.	
		US- 6,544,816	04/08/2003	Lim et al.	
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		FOREIGN P	ATENT DOCU	MENTS		
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Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>3</sup> (If known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	1	JP403101141A	04/25/1991	Kawada et al.		Х
Sul	<u> </u>	EP472768A	03/04/1992	Beer et al.		X
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Examiner Signature	1	temach	Date Considered	May 12, 2007

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

	Complete if Known	1
Application Number	10/791,190	_
Filing Date	March 2, 2004	
First Named Inventor	Frank L. Hall	
Group Art Unit	1725	
Examiner Name	S. Heinrich	_
Attorney Docket Number	2269-4718.3US (00-0316.03/US)	7

			U.S. PATENT D	OCUMENTS	
		Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
Examiner Cite Initials * No.		Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
Grut	†	US-4,953,385	09/04/1990	Aoki et al.	
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Examiner Cite No.1	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	
	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>	
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<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for	form 1449A/PTG	3			Complete if Known
INFORMATION DISCLOSURE		Application Number	10/791,190		
			-	Filing Date	March 2, 2004
STATE	STATEMENT BY APPLICANT			First Named Inventor	Frank L. Hall
				Group Art Unit	1725
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Sheet	2	of	2	Attomey Docket Number	2269-4718.3US (00-0316.03/US)

		NON PATENT: LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
early		IBM Technical Disclosure Bulletin (TDS), "Short Cycle Prototype Three-Dimensional Molded Circuit Boards." January 1, 1991, Volume 33, Issue 8, page 304	
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Examiner Signature	S. Heinrich	Date Considered May (2, 2007

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

	Complete if Known	1
Application Number	10/791,190	
Filing Date	March 2, 2004	
First Named Inventor	Frank L. Hall	
Group Art Unit	1725	
Examiner Name	S. Heinrich	
Attorney Docket Number	2269-4718.3US (00-0316.03/US)	J

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Sheet 1 of 1

·U.S. PATENT DOCUMENTS Document Number Name of Patentee or Applicant of Cite No. **Publication Date** Pages, Columns, Lines, Where Relevant Cited Document MM-DD-YYYY Initials \* Passages or Relevant Number - Kind Code? (if known) Figures Appear caul US-5,255,431 10/1993 Burdick US- 5,923,966 07/1999 Teramoto et al. US- 6,156,484 12/2000 Bassous et al. US- 6,419,996 07/2002 Mueller et al. US-US-US-US-US-US-US-US-US-US-US-US-US-US-US-US-

		FOREIGN P	ATENT DOCU	MENTS		
Examiner Cite Initials* No.1	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	7⁴
	No.¹	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
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·U.S. PATENT DOCUMENTS Document Number Name (Patentes or Applicant of Examiner Initiats \* Publication Date Pages, Columns, Lines, Where Relevant mber - Kind Codz<sup>1</sup> (if known) MM-DD-YYYY Passages or Relevant Figures Appear US-37255,431 10/1993 Burdick US- 5,923,988 07/1999 Teramoto et al. US- 6,156,484 12/2000 Bassous et al. US- 6,419,898 07/2002 Mueller et al. US-US-US-US US-US-US-US. US-US-US-US-US-US-US-US-

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Substitute	for form 1449A/PTO				Complete if Known	1
INFO	<b>DRMATION</b>	DISC	CLOSURE	Application Number	10/791,190	
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				Group Art Unit	1725	
	(use as many shee	ets as nec	ressary)	Examiner Name	S. Heinrich	
Sheet	1	of	1.	Attorney Docket Number	2269-4718.3US (00-03-16-03/US)	

		Document Number	U.S. PATENT D	Name of Patentee or Applicant of	
Examiner Initials •	Cite No. <sup>1</sup>	Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
M		US-3,913,216	10/21/1975	Ballonoff	
		US- 4,514,898	05/07/1985	Przybysz et al.	
		US- 5,310,624	05/10/1994	Ehrlich	
		US- 6,437,052 B1	08/20/2002	lwasa et al.	
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Examiner Initials	Cite No.1	Foreign Patent Document  Country Code' - Number - Kind Code' (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or	7*
	<del>                                     </del>	JP 360015985A	01/1985	Fujitsu Ltd	Relevant Figures Appear	<u>·</u>
		JP 360123084A	07/1985	Matsushita Electric	1	х
		JP 363117421A	05/1988	Nikon Corp		X
		JP 407030121A	01/1995	Sanyo Electric		X
	4	JP 409325365A	12/1997	Hitachi Ltd		Х
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Examiner Signature	S. Heinrich	Date Considered	May	12,2007	

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Know 10/791,190 **Application Number** Filing Date March 2, 200 First Named Inventor Frank L. Hall 1725 Group An Unit

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Examiner Name S. Heinrich Sheet l of l 2269-4718.3US Attorney Docket Number

Examiner Initials *	Che No.	Number - Kind Code <sup>3</sup> ((/ Incom)	Publication Date MM-DD-YYYY	Name of Patentor or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-3,913,216	10/21/1975	Batlonoff	
		US- 1,514,898	05/07/1985	Przybysz et al.	40
	L	US- 5\310,624	05/10/1994	Ehrlich	
		US- 6. 37,052 B1	08/20/2002	lwase et el.	
		US- 6,720,522 B2	04/13/2004	Ikegami et al.	
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		JP 360015985A		01/1985	Fujitsu Ltd		Х
	<u> </u>	JP 360123084A		07/1985	Matsushita Etectric		Х
		JP 383117421A		05/1988	Nikon Corp		X
		JP 407030121A	\	01/1995	Sanyo Electric		х
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		JP 2000012726A	7	01/2000	Sony Corp		Х
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Date Considered Examiner Signature BIKKIC

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